

## **ABSTRACT**

A method and device for mixing and weighing fibrous material in a weighing cycle includes removing the fibrous material from fiber bales and transporting the fiber material with a feed device into a weighing container. The weighing container is preceded by a pre-filling chamber that is separated from the weighing container by a controllable flap. After the fibrous material has been weighed, the material is ejected from the weighing container onto a mixing belt. The material feed device is controlled in accordance with a theoretical weight curve that is given for each fibrous material component. Transport speed of the material feed device is varied in accordance with the theoretical weight curve. The theoretical weight curve provides total weight of the transported fibrous material at a given time in the weighing cycle, and is determined for each fibrous material component based on a predetermined relationship of feed rate of the transported fibrous material as a function of time over the course of the weighing cycle in order to achieve a theoretical total weight of fibrous material to be transported into the weighing container during the weighing cycle.